-16-

ABSTRACT OF THE DISCLOSURE

The present invention relates to a saw blade and more particularly to a saw blade for cutting steel-reinforced structures to be used for cutting concrete, blocks or
5   pipes in repairing or mending construction materials.

To this end, the present invention presents a saw blade provided with particulate bearing layers which are attached on both sides of a circular steel disk, the steel disk having an opening at its center for connection with
10   the shaft of a motor-operated tool and the steel disk being attached on its periphery with cutting segments at predetermined intervals, with slits formed between them, and which bearing layers are composed of a continuous ring having a fixed width and being located near the center of
15   the steel disk and a plurality of stream-lined wings disposed outside of said ring at predetermined intervals, the wings extending from the outer edge of the ring toward the periphery of the steel disk.

At this time, the wings are formed in such a manner
20   that the both circular arcs extending substantially radially and defining each wing have either the same or different radius of curvature but have the different centers of curvature so that the wings have gradually increasing local area radially from the central side to
25   the outer periphery of a steel disk. (Figure 3)